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1 [Design, implementation and testing of extended and mixed precision BLAS](#)



Xiaoye S. Li, James W. Demmel, David H. Bailey, Greg Henry, Yozo Hida, Jimmy Iskandar, William Kahan, Suh Y. Kang, Anil Kapur, Michael C. Martin, Brandon J. Thompson, Teresa Tung, Daniel J. Yoo

June 2002 ACM Transactions on Mathematical Software (TOMS), Volume 28 Issue 2

Publisher: ACM

Full text available: [pdf\(456.84 KB\)](#)

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Bibliometrics: Downloads (6 Weeks): 4, Downloads (12 Months): 106, Citation Count: 11

This article describes the design rationale, a C implementation, and conformance testing of a subset of the new Standard for the BLAS (Basic Linear Algebra Subroutines): Extended and Mixed Precision BLAS. Permitting higher internal precision and mixed ...

Keywords: BLAS, double-double arithmetic, extended and mixed precision

2 Physically embodied video snippets supporting collaborative exploration of video material during design sessions



Tomas Sokoler, Håkan Edeholt

October 2002 NordiCHI '02: Proceedings of the second Nordic conference on Human-computer interaction

Publisher: ACM

Full text available: [pdf\(2.97 MB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 0, Downloads (12 Months): 24, Citation Count: 3

In this paper we explore the idea of using physically embodied video snippets as an alternative to today's means for control of video playback during collaborative design oriented meetings. We aim to make video snippets a more integral part of the shared ...

Keywords: RFID tag technology, augmented reality, multimedia interfaces, paper interfaces, tangible user interfaces

3 CAD solutions and outstanding challenges for mixed-signal and RFIC design

Domine Leenaerts, Georges Gielen, Rob A. Rutenbar

November 2001 ICCAD '01: Proceedings of the 2001 IEEE/ACM international conference on Computer-aided design

Publisher: IEEE Press

Full text available: [pdf\(1.87 MB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 10, Downloads (12 Months): 140, Citation Count: 6

This tutorial paper addresses the problems and solutions that are posed by the design of mixed-signal integrated systems on chip (SoC). These include problems in mixed-signal design methodologies and flows, problems in analog design productivity, as ...

4 Efficient filtering in publish-subscribe systems using binary decision diagrams

Alexis Campailla, Sagar Chaki, Edmund Clarke, Somesh Jha, Helmut Veith

July 2001 ICSE '01: Proceedings of the 23rd International Conference on Software Engineering

Publisher: IEEE Computer Society

Full text available: [pdf\(225.86 KB\)](#) [Publisher Site](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 1, Downloads (12 Months): 42, Citation Count: 13


Implicit invocation or publish-subscribe has become an important architectural style for large-scale system design and evolution. The publish-subscribe style facilitates developing large-scale systems by composing separately developed components because ...

5 Panel on future challenges in modeling methodology

Simon J. E. Taylor, Peter Lendermann, Ray J. Paul, Steven W. Reichenthal, Steffen Straßburger, Stephen J. Turner

December WSC '04: Proceedings of the 36th conference on Winter simulation 2004

Publisher: Winter Simulation Conference

Full text available:  [pdf\(283.72 KB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#)

Bibliometrics: Downloads (6 Weeks): 4, Downloads (12 Months): 56, Citation Count: 1


This panel paper presents the views of six researchers and practitioners of simulation modeling. Collectively we attempt to address a range of key future challenges to modeling methodology. It is hoped that the views of this paper, and the presentations ...

6 Simulation standards: a framework for standard modular simulation

Charles McLean, Swee Leong

December WSC '02: Proceedings of the 34th conference on Winter simulation: 2002 exploring new frontiers

Publisher: Winter Simulation Conference


Full text available:  [pdf\(203.55 KB\)](#)


Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#)

Bibliometrics: Downloads (6 Weeks): 4, Downloads (12 Months): 35, Citation Count: 6

The primary reason for building manufacturing simulations is to provide support tools that aid the manufacturing decision-making process. Simulations are typically a part of a case study commissioned by manufacturing management to address a particular ...

7 [An Eclipse-based environment for molecular simulation](#)

 Henrique F. Bucher, Andrew J. Schultz, David A. Kofke
October 2005 eclipse '05: Proceedings of the 2005 OOPSLA workshop on Eclipse
technology eXchange
Publisher: ACM

Full text available:  [pdf\(425.40 KB\)](#)


Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)


Bibliometrics: Downloads (6 Weeks): 3, Downloads (12 Months): 39, Citation Count: 0

Etomica is an extensible framework for conducting molecular simulations, and it comprises an API and a graphical IDE based on the *Eclipse* framework. It is written almost entirely in Java, and presently comprises about 1200 classes. In this ...

Keywords: API, IDE, molecular simulation

8 [Information extraction](#)

 Jim Cowie, Wendy Lehnert
January 1996 Communications of the ACM, Volume 39 Issue 1
Publisher: ACM


Full text available:  [pdf\(645.77 KB\)](#)

Additional Information: [full citation](#), [references](#), [cited by](#), [index terms](#),
[review](#)

Bibliometrics: Downloads (6 Weeks): 26, Downloads (12 Months): 312, Citation Count: 50

9 [The process of process reengineering: integration of discrete event simulation models with framework-based business applications](#)

Peter Lendermann, Nirupam Julka, Lai Peng Chan, Boon Ping Gan
December 2003 WSC '03: Proceedings of the 35th conference on Winter simulation:
driving innovation
Publisher: Winter Simulation Conference

Full text available:  [pdf\(536.42 KB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#)

Bibliometrics: Downloads (6 Weeks): 5, Downloads (12 Months): 57, Citation Count: 4


Simulation models and business application software as they are used for decision support in enterprise management are both representations of an enterprise's actual operations. This paper describes a unified simulation and application framework where ...

10 [The expanding role of simulation in future manufacturing](#)

Charles McLean, Swee Leong

December 2001 WSC '01: Proceedings of the 33nd conference on Winter simulation

Publisher: IEEE Computer Society

Full text available:  [pdf\(224.92](#)

[KB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#),

[index terms](#)

Bibliometrics: Downloads (6 Weeks): 8, Downloads (12 Months): 63, Citation Count: 3

Simulation technology holds tremendous promise for reducing costs, improving quality, and shortening the time-to-market for manufactured goods. Unfortunately, this technology still remains largely underutilized by industry today. This paper suggests ...

11 [Manufacturing modeling architectures: an architecture for a generic data-driven machine shop simulator](#)

Charles McLean, Al Jones, Tina Lee, Frank Riddick

December 2002 WSC '02: Proceedings of the 34th conference on Winter simulation:

2002 exploring new frontiers

Publisher: Winter Simulation Conference

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Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#)

Bibliometrics: Downloads (6 Weeks): 4, Downloads (12 Months): 43, Citation Count: 7

Standard interfaces could help reduce the costs associated with simulation model construction and data exchange between simulation and other software applications -- and thus make simulation technology more affordable and accessible to a wide range of ...

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